

XP-002277918

AN - 1996-016919 [02]

AP - JP19940083353 19940421

CPY - MURA

DC - E32 L02

DR - 1502-U 1509-U 2001-U

FS - CPI

IC - C01B13/32 ; C01G19/00 ; C01G23/00 ; C01G25/00 ; C01G27/00

MC - E34-B04 E34-D03 E35-H E35-K04 E35-L L02-A03 L02-G

M3 - [01] A212 A220 A238 A256 A350 A422 A540 A672 A940 C108 C730 C801 C802  
C803 C804 C805 C807 M411 M720 M903 M904 N104 N513 Q453 R032 R036;  
9602-B5301-P

PA - (MURA) MURATA MFG CO LTD

PN - JP7291607 A 19951107 DW199602 C01B13/32 005pp

PR - JP19940083353 19940421

XA - C1996-005301

XIC - C01B-013/32 ; C01G-019/00 ; C01G-023/00 ; C01G-025/00 ; C01G-027/00

AB - J07291607 Prepn. of perovskite ceramic powders of ABO<sub>3</sub> (A = at least one alkaline earth metal selected from Ba, Sr, Mg and Ca, B = at least one tetravalent titanium gp. element selected from Ti, Zr, Sn and Hf) is effected by mixing, heating and reacting an aq. soln. of a hydroxide of the alkaline earth metals and at least one of hydroxides or oxide sols of the quadrivalent titanium gp. elements in an amt. equal in mole to the alkaline earth metal in a container while a crushing medium is stirred in the container.

- ADVANTAGE - The composite perovskite ceramic powders obtd. have small grain sizes and large specific surface areas and can be easily sintered and uniformly dispersed. Also since the reaction is conducted at 60-95 deg.C, pressure reaction vessels are unnecessary and the cost of equipment can be reduced.

- (Dwg.0/0)

CN - 9602-B5301-P

IW - PREPARATION CERAMIC POWDER MIX HEAT REACT AQUEOUS SOLUTION HYDROXIDE  
ALKALINE EARTH METAL GRAIN SIZE SPECIFIC SURFACE AREA

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NC - 001

OPD - 1994-04-21

ORD - 1995-11-07

PAW - (MURA) MURATA MFG CO LTD

TI - Prepn. of ceramic powders - by mixing, heating and reacting an aq. soln. of a hydroxide of alkaline earth metals etc. providing small grain sizes and large specific surface areas